

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
**WO 2005/040934 A1**

(51) International Patent Classification<sup>7</sup>: **G03G 9/09**, 9/12

(21) International Application Number:  
PCT/IL2003/000891

(22) International Filing Date: 29 October 2003 (29.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (*for all designated States except US*):  
**HEWLETT-PACKARD DEVELOPMENT COM-  
PANY, L.P.** [US/US]; 20555 S.H. 249, HOUSTON, TX  
77070 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BOSSIDAN, Becky**  
[IL/IL]; 46 HATZMORET STREET, 75573 RISHON  
LEZION (IL). **GAL, Haim, Victor** [IL/IL]; 5D HAR  
HATZOFIM STREET, 76000 REHOVOT (IL).

(74) Agents: **FENSTER, Paul et al.**; FENSTER & COM-  
PANY, INTELLECTUAL PROPERTY 2002 LTD., P. O.  
BOX 10256, 49002 PETACH TIKVA (IL).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— *of inventorship (Rule 4.17(iv)) for US only*

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: **BLACK TONER**

(57) Abstract: A black toner particle for use in a printing toner, the particle comprising: a polymer: carbon black; and a plurality of different colored pigments; wherein the carbon black and pigments are dispersed in the polymer.



**WO 2005/040934 A1**